



Product / Process Change Notification (PCN)

- Major change
 Minor change

PCN #:	PCN_ConDCPJ_20220301	Change Category:	<input type="checkbox"/> Equipment / Location
Affected Series:	WR-DCPJ ; 694102304002, 694103304002		<input checked="" type="checkbox"/> General Data
PCN Date:	December 15, 2021		<input checked="" type="checkbox"/> Material
Effective Date:	March 01, 2022		<input type="checkbox"/> Process
			<input type="checkbox"/> Product Design
			<input type="checkbox"/> Shipping / Packaging
			<input type="checkbox"/> Supplier
			<input type="checkbox"/> Software
Contact:	Product Management	Data Sheet Change:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Phone:	+49 (0) 7942 - 945 5001	Attachment:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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DESCRIPTION AND PURPOSE OF CHANGE:

In order to enhance the product reliability, Würth Elektronik will change the insulator plastic material. Material & plating of the tip spring terminal & the shunt terminal will also be changed.

Also contact resistance between tip spring terminal & shunt terminal will be add in the datasheet specifications.

Products after product change with effective date of MARCH, 01 2022 are available from Date Code **2021-11-01**.

There will be no change in fit and function of the product.

DETAIL OF CHANGE:

(1) Plastic material change.

BEFORE

Material Properties:

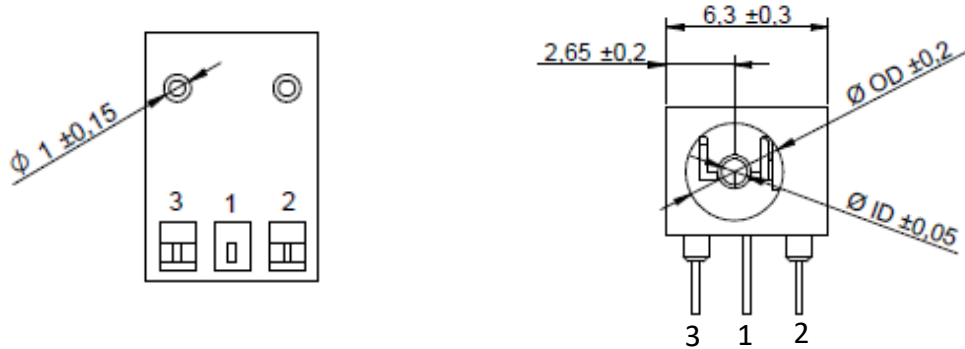
Insulator Material	PA66
Insulator Flammability Rating	UL94 V-0
Insulator Color	Black

AFTER

Material Properties:

Insulator Material	PA6T
Insulator Flammability Rating	UL94 V-0
Insulator Color	Black

(2) Tip spring & shunt terminal material change.



	BEFORE	AFTER
1: Center pin terminal - material	Copper alloy	Copper alloy
2: Shunt terminal - material	Copper alloy	Copper alloy
3: Tip spring terminal - material	Copper alloy	Stainless steel

(3) Tip spring & shunt terminal plating change.

BEFORE

Center Pin Plating	Gold
Shunt Terminal Plating	Tin
Tip Spring Plating	Tin

AFTER

Center Pin Plating	Gold
Shunt Terminal Plating	Gold
Tip Spring Plating	Gold

Gold flash over nickel for all 3 terminals.

(4) Add specification : contact resistance between tip spring & shunt terminal value

Contact resistance between tip spring & shunt terminal = 120 mΩ max.

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RELIABILITY / QUALIFICATION SUMMARY:

- Temperature Rise (EIA-364-70)
- Low Level Contact Resistance (EIA 364-23C) (before & after durability)
- Insulation Resistance (EIA364-21)
- Withstanding voltage (EIA364-20-Method B)
- Durability (5000 mating cycles) (EIA 364-09) & Mating – Unmating forces (EIA 364-13)
- Solderability (EIA 364-52)